

Title (en)
Electric vacuum cleaner

Title (de)
Elektrischer Staubsauger

Title (fr)
Aspirateur électrique

Publication
EP 1839549 A3 20090121 (EN)

Application
EP 07006452 A 20070329

Priority
JP 2006099862 A 20060331

Abstract (en)
[origin: EP1839549A2] An electric vacuum cleaner (10) includes a first dust separation device (F3) configured to separate sucked dust, a first dust collection section (60) for collecting the separated dust, a second dust separation device (100) configured to separate the dust, a dust removing device (90) configured to remove the dust adhering to the second dust separation device (100), a second dust collection section (74) for accumulating the removed dust, a partition wall (61) for zoning the first dust collection section (60) and the second dust collection section (74) and an introduction opening (75) for introducing the removed dust into the second dust collection section (60); the partition wall (61) includes a communication opening (63) for communicating the first dust collection section (60) to the second dust collection section (74) and an opening and closing member (76) for closing either of the introduction opening (75) or the communication opening (63) and switching the closing to the other by rotating, and the opening and closing member (76) closes the introduction opening (75) with a negative pressure by an electric fan (33) and closes the communication opening (63) by its own weight when the electric fan (33) is not driven.

IPC 8 full level
A47L 9/20 (2006.01); **A47L 9/10** (2006.01); **A47L 9/12** (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP KR US)
A47L 9/102 (2013.01 - EP US); **A47L 9/20** (2013.01 - EP KR US); **Y10S 55/03** (2013.01 - EP US)

Citation (search report)
• [A] EP 1629760 A2 20060301 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [A] US 2006016043 A1 20060126 - MATSUHASHI HIROMICHI [JP], et al

Cited by
EP2457484A4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1839549 A2 20071003; **EP 1839549 A3 20090121**; **EP 1839549 B1 20110907**; CN 100562280 C 20091125; CN 101044962 A 20071003; JP 2007268122 A 20071018; JP 4709680 B2 20110622; KR 100804568 B1 20080220; KR 20070098473 A 20071005; US 2007226952 A1 20071004; US 7628830 B2 20091208

DOCDB simple family (application)
EP 07006452 A 20070329; CN 200710087323 A 20070309; JP 2006099862 A 20060331; KR 20070011469 A 20070205; US 72965407 A 20070329